

Figure 1

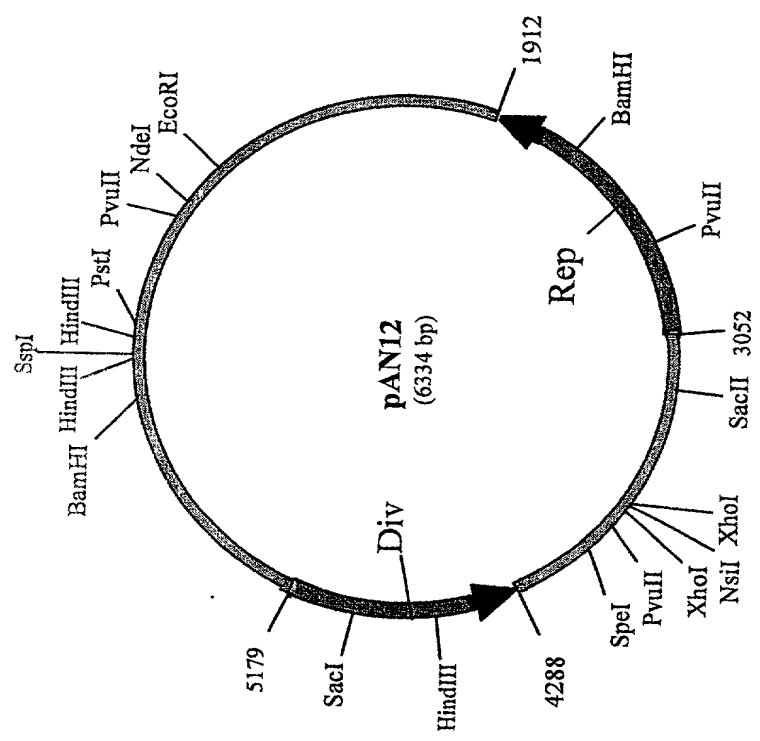


Figure 2

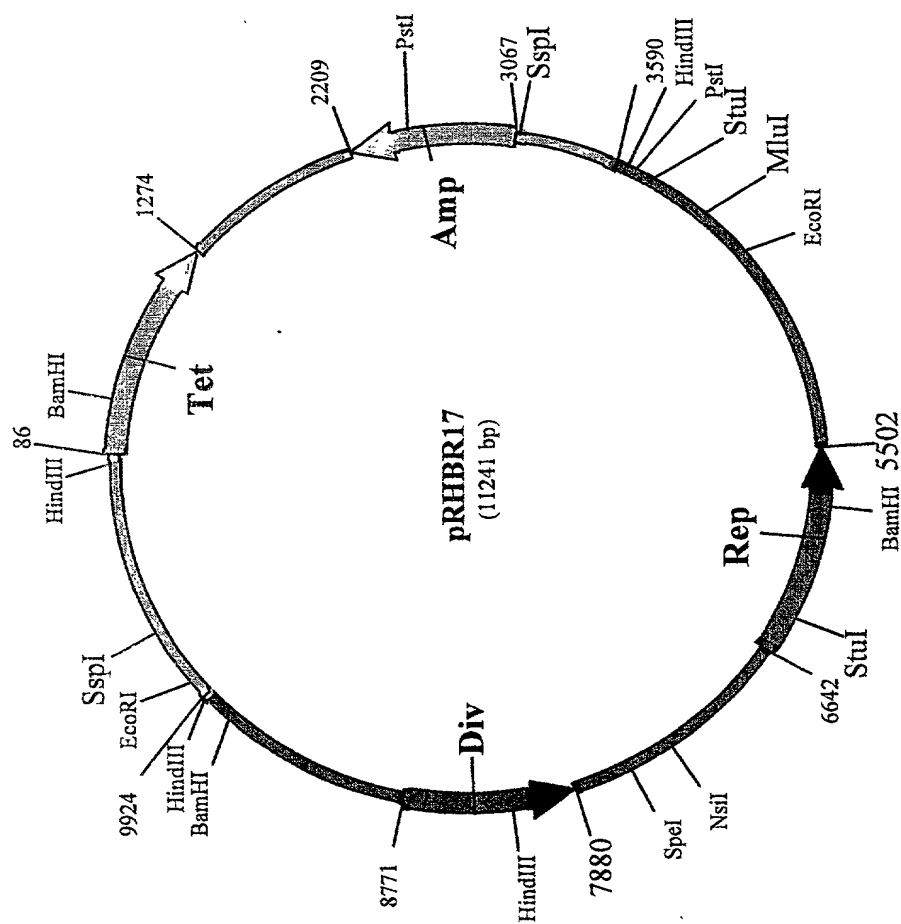


Figure 3

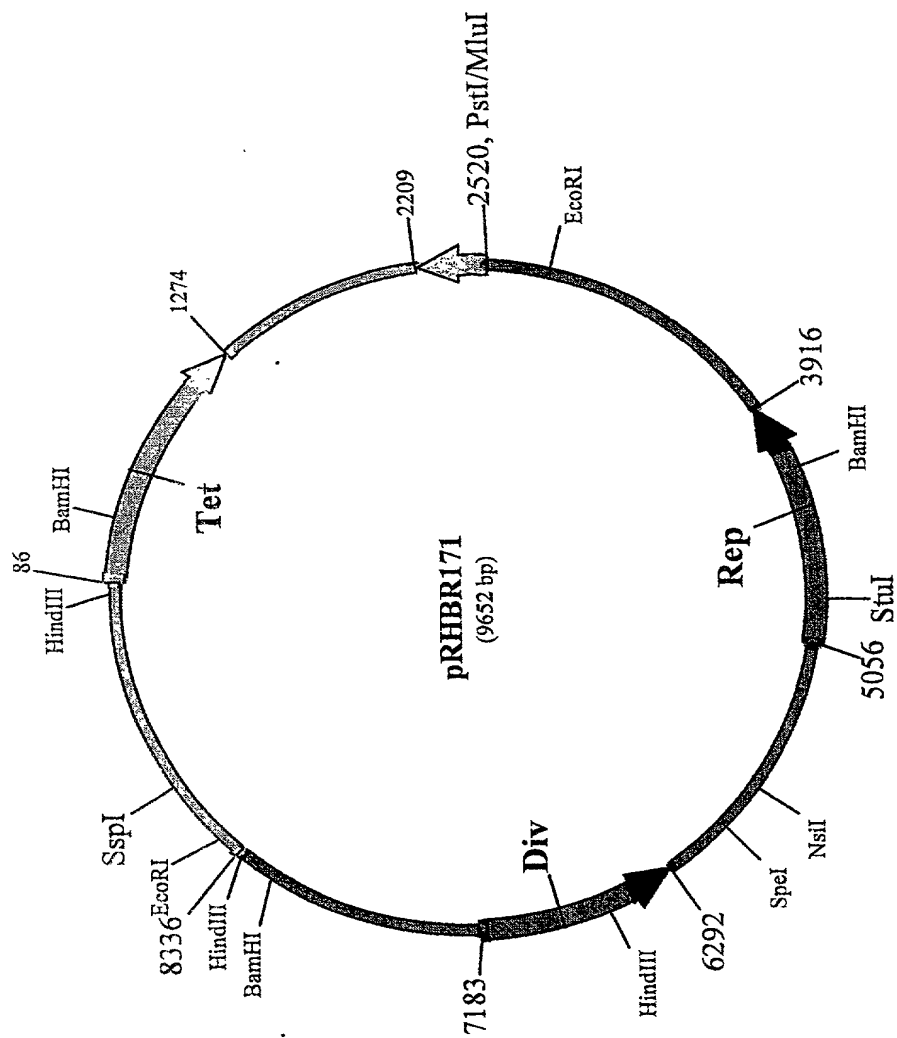


Figure 4

A Replication proteins

| | Motif IV | Motif I | Motif II | Motif III | Motif V | |
|--------|----------------|--------------|----------------|-----------------|----------------------------|--------------|
| PAN12 | 73 CGKGMICPC | 109 MVTMTMRH | 168 HVHVHALLM | 229 LAAYLTIRIAS | 277 WREFEFGSMGRRRAIAW | SEQ ID NO:5 |
| PAP1 | 143 CGSVWACPVC | 180 MLTLTORH | 239 HVHSHVLII | 314 IGNYVSKMOT | 366 WKEVEKASFGRRAITWSKGLR | SEQ ID NO:21 |
| PIJ101 | 25 CGRIWLCFVC | 62 LVFTFARH | 148 HPHIHAIIVL | 225 LAEYIAKTQD | 289 WHEYBRATRGRRRAIEWTRGLR | SEQ ID NO:22 |
| PJV1 | 43 CGRIWFCPEC | 80 VVLTARH | 184 HPHILNLVLF | 272 LIEVLTKNQD | 353 WAQVBEALAGRRRAIEWTRGLR | SEQ ID NO:23 |
| PSN22 | 25 CGRIWLCFVC | 62 LVLTARH | 148 HPHIHAIIVL | 225 LAEYIAKTQD | 289 WHEYBRATKGRRAIEWTRGLR | SEQ ID NO:24 |

B Origin of replication

| | | |
|--------|--------------------------------------|-----------------|
| PAN12 | 574 GTGCGAAAACTGCA-CAGCT-GGCTACACTA | ---SEQ ID NO:8 |
| PIJ101 | 1696 GAGGCAAAAGCGAA-CACCTTGGGAAAGAAA | ---SEQ ID NO:25 |
| PJV1 | 1668 CTGGCAAAAGCGA-CGCTAGGTAAGGTT | ---SEQ ID NO:26 |
| PSN22 | 7805 GACCAAAACTGCGGCGCTTGGCAAGAAA | ---SEQ ID NO:27 |

